

GROWTH TECHNOLOGY LTD

SAFETY DATA SHEET

According to 1907/2006/EC, article 31 (REACH)

LIQUID SILICON

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	Liquid Silicon
SYNONYMS, TRADE NAMES	Liquid Silicon
SUPPLIER	Growth Technology Ltd. Unit 66, Taunton Trading Estate Taunton TA2 6RX United Kingdom Phone +44 1823 325291 Fax +44 1823 325487 info@growthtechnology.com
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2 HAZARDS IDENTIFICATION

Liquid Silicon is used as a tank additive, is used in the adjustment of pH in hydroponic nutrient solutions, and for use as a foliar feed. It contains 6% potassium silicate in water.

May cause irritation of eye and skin due to its high pH.

CLASSIFICATION
None

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC-No	CAS-No	Content	Classification
Potassium silicate	215-199-1	1312-76-1	5.5%	
water			94.5%	

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The Data shown are in accordance with the latest EC Directives

4 FIRST-AID MEASURES

INGESTION

Wash out mouth with water and give plenty of water to drink, provided person is conscious. Get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash skin with soap and plenty of running water, under a shower if affected area is large enough to warrant this. Get medical attention.

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DISCLAIMER

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REVISION DATE: 23/02/2008

EYE CONTACT

Rinse immediately eye with plenty of low pressure water for at least 15 minutes.
Remove any contact lenses. Get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non flammable and non combustible. In case of fire in the surroundings: all extinguishing agents allowed.

SPECIAL FIRE FIGHTING PROCEDURES

None

UNUSUAL FIRE & EXPLOSION HAZARDS

None

SPECIFIC HAZARDS

None

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing and MSHA/NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

See section 8.

ENVIRONMENTAL PRECAUTIONS

Take precautionary measures against discharges into the environment (high concentrations may injure aquatic life due to high pH).

SPILL CLEAN UP METHODS

Sweep up or absorb spilled material.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with eyes or skin.

Wash thoroughly after handling and before eating, drinking or smoking.

STORAGE PRECAUTIONS

None

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

Protective gloves and safety goggles

RESPIRATORY EQUIPMENT

Not applicable

HAND PROTECTION

Protective gloves should be used if there is the risk of direct contact or splash.

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EYE PROTECTION

Wear approved safety goggles

HYGIENE MEASURES

Wash at the end of each work shift and before eating, drinking, smoking or using the toilet.

SKIN PROTECTION

Wear protective clothing in case of danger of contact

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	clear liquid
COLOUR	colourless
BOILING POINT	above 100 °C
FREEZING POINT	below 0 °C
SOLUBILITY IN WATER	fully miscible with water
pH – VALUE	13.5 (1% w/v in water)

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

None

HAZARDOUS DECOMPOSITION PRODUCTS

None

11 TOXICOLOGICAL INFORMATION

GENERAL

None

INGESTION

May cause irritation of the digestive track.

SKIN CONTACT

May cause irritation.

EYE CONTACT

May cause irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

None. High concentrations may injure aquatic life due to high pH.

WATER HAZARD CLASSIFICATION

none

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13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Place into a suitable closed container for disposal.

DISPOSAL METHODS

Dispose of in accordance with local and national regulations.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

15 REGULATORY INFORMATION

LABELLING

none

CONTAINS

potassium silicate (6%)

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37 Wear suitable protective clothing and gloves
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988. Health and Safety at Work Act 1974.

ENVIRONMENTAL LISTING

Control of Pollution Act 1974.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Notification of New Substances Regulations (NONS) 1993. The Export and Import of Dangerous Chemicals Regulations 2005 number 928.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply (EU 2001/59/EC). Safety Data Sheets for Substances and Preparations (REACH)

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Workplace Exposure Limits 2005 (EH40).

The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004.

Control of Substances hazardous to health regulations 2002 (as amended).

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16 OTHER INFORMATION

ISSUED BY HS&E Manager

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RISK PHRASES IN FULL

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